

# Public Health Reports

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WASHINGTON, D. C., APRIL 22, 1898.

No. 16.

## UNITED STATES.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

### *Smallpox at Middlesborough, Ky.—(Concluded).*

MIDDLESBOROUGH, KY., April 15, 1898.

SIR: I have the honor to respectfully submit the following report of the work of the Service in suppressing the epidemic of smallpox in this city:

A brief résumé of the course of the epidemic before the Service took charge may not be inappropriate. The first case of smallpox in this city developed in the latter part of November. No accurate knowledge can be obtained as to the date of occurrence or whence it came. It is thought to have come from Birmingham, Ala. From this the disease spread among the negroes and lower class of white people. Owing to its mildness and the doubts that existed as to its being smallpox, no active steps to prevent the spread of the disease were taken at first. Many cases would recover without medical attention. After smallpox had become epidemic the city and county health officials undertook to stamp out the disease. As there was no pesthouse established, the cases, with those who had been exposed, were gathered together in a row of vacant houses, vaccination of the inhabitants, estimated at 3,000, was begun, and quarantine of the city was declared by the State board of health. When the resources of the city and county were exhausted, the State board of health was applied to for relief. Vaccination inspectors were sent and the vaccination of the inhabitants was thoroughly done as long as the inspectors remained. But the State authorities refused to bear the expense of the epidemic. An appeal was then made to the Surgeon-General of the Marine-Hospital Service. Passed Assistant Surgeon C. P. Wertenbaker was directed by telegraphic orders, dated March 10, to proceed to Middlesborough and to report on the situation. On the 17th instant, at the request of the State board of health, Dr. Wertenbaker was directed by this Bureau to cooperate with

the board of health through its representative, Dr. L. L. Robertson, in stamping out the smallpox, and took charge of Government measures. There were then 89 cases of smallpox and 56 suspects. The number of cases that had occurred previous to this was estimated at 100 to 150; only 2 fatal cases had occurred. As rapidly as possible isolation of the suspects was accomplished. The smallpox cases were transferred to a large building that was secured for a hospital, and Dr. C. W. Duke, of Memphis, Tenn., who had been trained in Service methods in previous epidemic work, was made resident physician. A suspect camp was at once established, with Dr. W. N. Shoemaker, of Birmingham, Ala. (who was also familiar with Service methods), as resident physician. A disinfecting corps was organized, and the work of disinfection of all known infected houses was begun under the supervision of Acting Assistant Surgeon Ira W. Porter. A thorough force of guards was organized to carry out the quarantine proclamation of the State board of health and to guard the smallpox hospital and suspect camp. A house-to-house inspection of the city was made and repeated until the epidemic was at an end. To facilitate the transaction of business with neighboring States, quarantine passes were given to those who were successfully vaccinated and were free of infection.

After the Service took control, 7 cases of smallpox in all were found (one of these occurred in the suspect camp) and 14 suspects were placed in camp. The last case developed on April 6. Previous to the separation in separate camps of suspects from smallpox cases, 7 suspects were taken with smallpox. The infected houses, 97 in number, were disinfected by 1-800 solution of bichloride of mercury, and all clothing and household goods were soaked in solution of the same strength. Mattresses, pillows, and thick quilts were burned. Except in a few instances, it was impossible to disinfect with sulphur or formaldehyde, as the infected houses were not close enough for gaseous disinfection. As directed by telegraphic orders of the 2d instant, I relieved Passed Assistant Surgeon Wertenbaker on April 5. The methods already put in operation were continued. A final house-to-house inspection was made, of which the result is shown by exhibit A. The detention camp was abolished on April 9, after discharge of the last suspect. The disinfection of the remaining infected houses was finished on April 11, and the quarantine was raised and guards dismissed on the same day. The schools, which had been closed for two months, were allowed to begin, after inspection of the children and revaccination when necessary. On April 14 the number of cases of smallpox had been reduced to 2. These were transferred to the county pesthouse; and on the following day, by order of the Bureau, the camp was broken up and the Service affairs brought to an end.

The following tables are taken from the records of the smallpox hospital. Exhibit A shows the number of successful vaccinations in the city:

#### EXHIBIT A.

##### *Final house-to-house inspection.*

Number of houses.....	475
Persons inspected.....	2,817*
Successfully vaccinated.....	2,552
Primary and revaccination.....	285

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\*This number is very close to the actual population during the epidemic.

*Patients treated at smallpox hospital.*

Colored .....	76
White.....	27
Total.....	103
Male.....	64
Female .....	39

*Age.*

Under one year.....	7
One to ten years .....	15
Ten to twenty years.....	19
Twenty to thirty years.....	43
Thirty to forty years.....	13
Forty to fifty years.....	4
Fifty to sixty years.....	2
Number of deaths.....	0*

*Development of smallpox cases.*

Week ending—	Cases.
March 3.....	31
March 10.....	31
March 17.....	18
March 24.....	11
March 31.....	2
April 7.....	3

Valuable assistance was rendered by Acting Assistant Surgeon Ira W. Porter, Drs. C. W. Duke, W. N. Shoemaker, Byron Dozier, J. W. Francisco, and J. G. Moss, and by Stewards F. R. Hanrath and F. H. Peck. The Service is indebted to Dr. L. L. Robertson, of Middlesborough, the representative of the State board of health, for his hearty cooperation and assistance. To the mayor of Middlesborough, the city and county officials, and to the people of the city, the officers of the Service, whose pleasure it was to serve them, are greatly indebted for the uniform courtesy and active cooperation extended throughout the epidemic.

Very respectfully,

HILL HASTINGS,  
Assistant Surgeon, U. S. M. H. S.

*Smallpox at Mobile—(Continued).*

MOBILE, ALA., April 15, 1898.

SIR: I have the honor to report the admission to the pesthouse on the 11th instant of a case of smallpox in a colored railroad hand; attacked at Magazine Point, 5 miles from the city; origin thought to have been Evergreen, on L. & N. R. R., about 100 miles from here.

I am, very respectfully, your obedient servant,

R. D. MURRAY,  
Surgeon, U. S. M. H. S.

*Case of smallpox in Louisville.*

LOUISVILLE, KY., April 16, 1898.

SIR: I have the honor to state that a negro roustabout, sent from the office to the hospital on the 15th, developed varioloid on the 16th.

\* Throughout the epidemic the disease maintained the mildness so characteristic this year of epidemics of smallpox in other localities. The prodromic symptoms were slight, usually without a chill; the eruption was almost invariably of the discrete type; the fever low and often absent, and the complications few, consisting chiefly of an occasional abscess.

The case was at once placed in the isolation ward, and the city health board notified. I have requested the city to take the case to the pest-house, as the people in the vicinity object to the case being treated here. All necessary precautions have been taken.

Respectfully, yours,

W. P. McINTOSH,  
*Passed Assistant Surgeon, U. S. M. H. S.*

*Smallpox on steamship Olympia.*

PORT TOWNSEND QUARANTINE,  
*Port Townsend, Wash., April 9, 1898.*

SIR: I have the honor to report that a case of smallpox (the third engineer, white) was discovered on the Northern Pacific Company's steamship *Olympia* a few days after leaving Hongkong. The man and his effects were removed at the next port, Moji, Japan, on the 15th ultimo. Processes of disinfection were carried out by the ship's surgeon and the Japanese quarantine officials at Moji, and on arrival at Victoria, British Columbia, the ship was disinfected throughout with bichloride solution and sulphur, all on board were bathed, and clothing, baggage, carpets, hangings, were subjected to steam or sulphur. The ship, and a portion of the crew and passengers were released, the remainder were retained for further observation at the Victoria Quarantine. No further sickness had occurred on the ship. On her arrival here yesterday, after some revaccination, all were passed. The Hongkong bill of health reported 47 cases and 20 deaths from smallpox, and 55 cases and 35 deaths from plague in that city during the 2 weeks ended March 8, 1898.

Respectfully, yours,

S. D. BROOKS,  
*Passed Assistant Surgeon, U. S. M. H. S.*

*Smallpox at Little Rock, Ark.—(Continued).*

LITTLE ROCK, ARK., *April 14, 1898.*

SIR: I have the honor to report as follows concerning the smallpox in Pulaski County, Ark.: Since the date of my last report 8 new cases have developed. Of this number 5 were in the city of Little Rock, 2 in the town of Argenta (North Little Rock), and 1 at the detention house near the smallpox hospital. All of the cases are among negroes, and have been traced to the original cases. All patients have been removed to the smallpox hospital except the 2 last discovered, and they will be taken there to-day. Total number of cases to date, 14.

Very respectfully,

L. P. GIBSON,  
*Acting Assistant Surgeon, U. S. M. H. S.*

*Case of smallpox in Washington, D. C.*

HEALTH DEPARTMENT, DISTRICT OF COLUMBIA,  
*Washington, D. C., April 15, 1898.*

SIR: I have the honor to inform you that a case of smallpox has been reported this day in the person of a patient at Freedmen's Hospital, who was exposed to the case removed from that institution on the 2d instant.

Very respectfully,

WM. C. WOODWARD, M. D.,  
*Health Officer.*

*Two cases of smallpox in Philadelphia.*

PHILADELPHIA, PA., April 13, 1898.

SIR: In compliance with the resolutions printed herewith, it becomes my duty to inform you that 2 cases of smallpox exist at Philadelphia, in the county of Philadelphia, in this State, in the person of two brothers named Clarity.

The origin of the disease is in a cotton mill in cotton supposed to have been brought from a southern State.

The following precautions have been taken: Removal of patients to the municipal hospital and vaccination of all operatives in mill and others exposed.

You are authorized and requested by this board to take such further measures for the protection of your territory, in conformity with the terms of the resolutions, as in your judgment may be deemed necessary.

I have the honor to be your obedient servant,

BENJAMIN LEE, M. D.,  
Secretary.

*Smallpox on the British steamship Venus.*

[Telegram.]

SAN FRANCISCO, CAL., April 18, 1898.

British steamship *Venus* from Hongkong quarantined on account of 1 case smallpox disembarked at Nagasaki and convalescent case on board.—ROSENAU.

*Smallpox infected vessel at Port Tampa.*

[NOTE.—Assistant Sanitary Inspector Dudley, who has been ordered to duty on the steamship *Olivette*, in transferring refugees from Habana to Key West, makes the following report by telegraph.]

[Telegram.]

PORT TAMPA, FLA., April 21, 1898.

Arrived, found employee on ship with smallpox. Ordered disinfection of vessel and effects. General vaccination. Full report by mail.

DUDLEY,  
Assistant Sanitary Inspector, U. S. M. H. S.

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 22, 1898.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Bessemer.....	Jan. 6.....	42	.....	
	Jan. 9-Jan. 26....	78	.....	
	Jan. 30-Feb. 19....	23	.....	
Birmingham.....	Jan. 6-Jan. 8....	11	.....	
	Jan. 9-Jan. 26....	29	.....	
	Jan. 30-Feb. 19....	7	.....	
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19....	26	.....	
Carneys Bluff.....	Feb. 17.....	.....	.....	Smallpox reported.
Corona.....	Mar. 4.....	1	.....	
Dolomite.....	Dec. 1-Jan. 17....	21	.....	
Gosport.....	Feb. 17.....	.....	.....	Do.
Glendon.....	Feb. 17.....	.....	.....	Do.
Haynesville.....	Mar. 11.....	400	.....	



## Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Alabama—Continued.</i>				
Horse Creek Mine.....	Mar. 4.....	3		
Hurricane Bayou.....	Mar. 31.....	5		
Jackson.....	Feb. 17.....	10		
Mobile.....	Feb. 5-Apr. 9....	37	1	
Montevallo.....	Mar. 3.....	1		
Newton.....	Jan. 15-Feb. 2....	7		
Nichols.....	Feb. 17.....			Smallpox reported,
Oxmar.....	Jan. 19.....			Do.
Patton.....	Feb. 1-Mar. 4....	9		
Pinckard.....	Feb. 2.....	50		
Rock Springs.....	Mar. 11.....	15		
Salitpa.....	Feb. 17.....			Do.
Selma.....	Jan. 13-Feb. 14...	3		
Shelby.....	Jan. 28.....	1		
Talladega.....	Jan. 9-Jan. 26....	41		
	Jan. 27-Feb. 15...	4		
Walker Springs.....	Feb. 17.....			Do.
<i>Arkansas:</i>				
Fair Oaks.....	Mar. 1.....	5		
Little Rock.....	Mar. 31-Apr. 14...	14		
<i>District of Columbia:</i>				
Washington.....	Feb. 7.....	1		Naval Hospital.
	Apr. 2-Apr. 15....	2		
<i>Florida:</i>				
Jacksonville.....	Mar. 20-Mar. 26....	1		
Washington County.....	Jan. 24.....	12		
<i>Georgia:</i>				
Atlanta.....	Jan. 17.....	131		Most cases from county.
	Jan. 18-Jan. 25....	18	1	
	Jan. 26-Feb. 16....	29	1	
Cartersville.....	Jan. 15-Mar. 1....	9	1	
Griffin.....	Feb. 12.....	2		
Macon.....	Jan. 15-Apr. 1....	64	1	
Stilesboro.....	Jan. 15.....			Smallpox reported.
<i>Indiana:</i>				
Evansville.....	Feb. 26.....	1		
<i>Kentucky:</i>				
Butler.....	Feb. 8-Feb. 24....	1		
Louisville.....	Apr. 16.....	1		
Middlesborough.....	Feb. 3-Apr. 7....	183	2	
<i>Louisiana:</i>				
New Orleans.....	Mar. 13-Apr. 2....	3		
<i>Massachusetts:</i>				
Greenfield.....	Feb. 5-Feb. 22....	1		
Westfield.....	Feb. 20-Mar. 2....	1		
<i>Michigan:</i>				
Ionia.....	Mar. 20-Mar. 26....			Do.
Royal Oak.....	Feb. 12-Mar. 12...	1		
<i>New Jersey:</i>				
Westfield.....	Mar. 4.....	1		
<i>New Mexico:</i>				
Albuquerque and vicinity....	Mar. 5-Apr. 1....	14		
<i>New York:</i>				
Deposit.....	Nov. 1-Nov. 30...	1		
<i>North Carolina:</i>				
Alamance County.....	Feb. 18-Feb. 25....	1		
Buncombe County.....	Apr. 16.....	1		
Charlotte.....	Jan. 25.....	2		
	Jan. 26-Feb. 12....	2		
Clay County.....	Feb. 15-Feb. 24....	3		
Wilmington.....	Jan. 12.....	1		
<i>Ohio:</i>				
Fairfield County.....	Apr. 8.....	7	1	
<i>Pennsylvania:</i>				
Philadelphia.....	Apr. 13.....	2		
<i>South Carolina:</i>				
Arkwright.....	Mar. 25.....	9		
Beaufort.....	Jan. 17.....			Do.
Columbia.....	Apr. 6.....			Do.
Dyson.....	Mar. 25.....	3		
Greenville.....	Jan. 17.....			Do.
Orangeburg.....	Jan. 17.....			Do.
Pelham.....	Mar. 25.....	20		
Ridge Springs.....	Mar. 25.....	1		
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17.....			Do.
Swansea.....	Jan. 15.....			Do.
<i>Tennessee:</i>				
Bristol.....	Mar. 1-Mar. 31....	1		
Chattanooga.....	Jan. 1-Jan. 29....	1		
	Feb. 1-Mar. 31....	19		

*Smallpox in the United States, etc.—Continued.*

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Tennessee—Continued.</i>				
Elk Valley.....	Mar. 1-Mar. 31.....	1		
Huntington (near).....	Jan. 1-Jan. 29.....	1		
Jellico.....	Feb. 1-Mar. 31.....	9		
Johnson City.....	Feb. 1-Mar. 31.....	13		
Knoxville.....	Jan. 1-Jan. 29.....	3		
	Feb. 1-Mar. 31.....	28		
Lenoir City.....	Jan. 1-Jan. 29.....	2		
	Feb. 1-Feb. 28.....	3		
Memphis.....	Jan. 22-Jan. 29.....	1		
	Jan. 30-Feb. 10.....	1		
Mingo mines.....	Jan. 1-Jan. 29.....	6		
Mingo.....	Feb. 1-Mar. 31.....	3		
Morristown.....	Feb. 1-Mar. 31.....	6		
Newcomb.....	Feb. 1-Feb. 28.....	3		
Rockford.....	Mar. 1-Mar. 31.....	1		
Rutledge.....	Feb. 1-Mar. 31.....	12		
Shields Ferry.....	Mar. 1-Mar. 31.....	4		
Sprowles.....	Mar. 1-Mar. 31.....	1		
<i>Texas:</i>				
Brownsville.....	Feb. 26.....	1		
<i>Virginia:</i>				
Colburn.....	Feb. 1.....			Smallpox reported.
Norfolk.....	Mar. 1-Mar. 10.....	2		
Norton.....	Feb. 1.....			Do.
<i>West Virginia:</i>				
Bluefield.....	Feb. 25.....	5		

*Report of immigration at Boston for the week ended April 16, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, April 16, 1898.*

*Number of alien immigrants who arrived at this port during the week ended April 16, 1898 ;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Wherefrom.	No. of immigrants.
Apr. 10	Steamship Boston.....	Yarmouth, Nova Scotia.....	91
Apr. 11	Steamship Norseman.....	Liverpool, England.....	30
Do.....	British schooner C. A. Chisholm.....	Mahone Bay, Nova Scotia.....	2
Apr. 12	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	20
Do.....	Steamship Cambrian.....	London, England.....	30
Do.....	British schooner Parthenian.....	Liverpool, Nova Scotia.....	19
Do.....	British schooner Dominion.....	St. Margret Bay, Nova Scotia.....	2
Apr. 13	Steamship Cambroman.....	Liverpool, England.....	30
Do.....	British schooner Nova Zembla.....	Mahone Bay, Nova Scotia.....	1
Do.....	Steamship Lancastrian.....	Liverpool, England.....	26
Apr. 14	Steamship Boston.....	Yarmouth, Nova Scotia.....	108
Do.....	Steamship Halifax.....	Halifax, Nova Scotia.....	78
Apr. 15	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	14
Do.....	Steamship Peruvian.....	Glasgow, Scotland.....	148
Do.....	Steamship Brookline.....	Port Antonio, Jamaica.....	2
Apr. 16	Steamship British Empire.....	London, England.....	5
	Total.....		606

GEORGE B. BILLINGS,  
*Commissioner.*

*Report of immigration at New York for the week ended April 16, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, April 18, 1898.*

*Number of alien immigrants who arrived at this port during the week ended April 16, 1898;  
 also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Apr. 10	Steamship Paris.....	Southampton.....	242
Do....	Steamship Etruria.....	Liverpool and Queenstown.....	299
Apr. 11	Steamship Aller .....	Naples and Genoa.....	739
Do....	Steamship La Gascogne.....	Havre .....	326
Apr. 12	Steamship Kensington.....	Antwerp.....	220
Do....	Steamship Saale.....	Genoa .....	609
Do....	Steamship Obdam.....	Rotterdam .....	265
Apr. 13	Steamship Victoria.....	Naples.....	1,193
Do....	Steamship Ethiopia .....	Glasgow .....	134
Apr. 14	Steamship Majestic.....	Liverpool and Queenstown.....	927
Apr. 15	Steamship Lahn.....	Bremen.....	214
Do....	Steamship Burgundia.....	Marseilles and Naples.....	942
Apr. 16	Steamship H. H. Meier.....	Bremen.....	422
Do....	Steamship Hispania.....	Stettin .....	225
	Total.....		6,757

THOMAS FITCHIE,  
*Commissioner.*

*Report of immigration at Philadelphia for the week ended April 16, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, April 18, 1898.*

*Number of alien immigrants who arrived at this port during the week ended April 16, 1898;  
 also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Apr. 12	Steamship Aladdin.....	Daiguri.....	1
Do....	Steamship Schleswig.....	Haiti.....	2
Do....	Steamship Pennland.....	Liverpool and Queenstown.....	177
Apr. 13	Steamship Navahoe.....	Port au Prince.....	1
Apr. 14	Steamship Usk.....	Jamaica .....	1
Do....	Steamship Assyrian.....	Glasgow.....	3
Apr. 16	Steamship Arcadia.....	Hamburg.....	99
	Total.....		284

J. L. HUGHES,  
*Acting Commissioner.*



**QUARANTINE REPORTS.**  
*National quarantine and inspection stations.*  
 [Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.....	Apr. 16	.....	.....	.....	.....	.....	.....	No transactions.....	1
Brunswick, Ga.....	do.....	.....	.....	.....	.....	.....	.....	.....	8
Cape Charles Quarantine, Va.....	do.....	.....	.....	.....	.....	.....	.....	No transactions.....	1
Cape Fear, N. C.....	do.....	.....	.....	.....	.....	.....	.....	No transactions.....	1
Delaware Breakwater Quarantine, Del.....	Mar. 30	.....	.....	.....	.....	.....	.....	No transactions.....	1
Eureka, Cal.....	Apr. 6	.....	.....	.....	.....	.....	.....	.....	6
Grays Harbor, Wash.....	Apr. 14	.....	.....	.....	.....	.....	.....	.....	1
Gulf Quarantine, Ship Island, Miss.....	Apr. 9	Nor. bk. Dilb-hur (a)	Mar. 25	Montevideo	Mobile	Disinfected and held.	.....	2 men left at Barbados, said to have enteric fever.	6
.....	.....	Nor. bk. Arcadia.	Apr. 4	Rio	Ship Island	Held for disinfection.	Apr. 9	.....	.....
.....	.....	Am. sc. Ass T.	do	Vera Cruz	Pascagoula	Disinfected and held.	.....	.....	.....
.....	.....	Stowell.	.....	.....	do	do	.....	.....	.....
.....	.....	Am. sc. L. N.	Apr. 6	Frontera, Mex	Ship Island	do	.....	.....	.....
.....	.....	Dantzler.	.....	Barbados.	Apalachicola	do	.....	.....	.....
.....	.....	Am. sc. Etta A.	do	.....	do	do	.....	.....	.....
.....	.....	Simpson.	Apr. 7	Santiago de Cuba.	Pascagoula	do	.....	.....	.....
.....	.....	Am. sc. Carrie Strong.	Apr. 8	Port of Spain, Trinidad.	.....	do	.....	No transactions.....	7
.....	.....	Am. sc. Robt. H. Rathbun.	.....	.....	.....	.....	.....	.....	19
Newbern, N. C.....	Apr. 16	.....	.....	.....	.....	.....	.....	.....	2
Port Townsend, Wash.....	Apr. 9	.....	.....	.....	.....	.....	.....	.....	19
Reedy Island Quarantine, Del.....	Apr. 16	.....	.....	.....	.....	.....	.....	.....	6
San Diego, Cal.....	Apr. 9	.....	.....	.....	.....	.....	.....	.....	.....
San Francisco Quarantine, Cal.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....
South Atlantic Quarantine, Black beard Island, Ga.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....
Tortugas Quarantine, Key West, Fla.....	Apr. 2	Nor. bk. H. P. Neilson (a)	Mar. 30	Para.	Jacksonville.	Disinfected and held.	Apr. 9	No transactions.....	.....
.....	Apr. 9	.....	.....	.....	.....	.....	.....	do.....	.....
Washington, N. C.....	Apr. 16	.....	.....	.....	.....	.....	.....	do.....	.....

a Previously reported.

## QUARANTINE REPORTS—Continued.

## State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla.....	.....	.....	.....	.....	.....	.....	.....	No report.	.....
Apalachicola, Fla.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Baltimore, Md.....	Apr. 16	.....	.....	.....	.....	.....	.....	No report.	20
Bangor, Me.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boston, Mass.....	Apr. 16	.....	.....	.....	.....	.....	.....	.....	14
Carrabelle, Fla.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Charleston, S. C.....	Apr. 10	.....	.....	.....	.....	.....	.....	.....	2
Elizabeth River, Va.....	Apr. 16	.....	.....	.....	.....	.....	.....	.....	12
Galveston, Tex.....	.....	.....	.....	.....	.....	.....	.....	No report.	.....
Gardiner, Oreg.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Georgetown, S. C.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Gloucester, Mass.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Key West, Monroe Co., Fla.....	Apr. 16	.....	.....	.....	.....	.....	.....	.....	14
Mayport, Fla.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Mobile Bay, Ala.....	.....	.....	.....	.....	.....	.....	.....	.....	13
.....	.....	Nor. bk. Belfast (a)	Apr. 3	Bahia	Mobile	Disinfected and held	Apr. 11	.....	.....
.....	.....	Nor. bk. Carsten Roe.	Apr. 11	Pernambuco	do.	do.	.....	.....	.....
.....	.....	Br. ss. Hawkhurst	Apr. 14	Vera Cruz	do.	do.	.....	No report.	.....
New Bedford, Mass.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Orleans, La.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newport News, Va.....	Apr. 16	Am. tug Underwriter.	Apr. 10	Habana	Newport News	Detained in quarantine	.....	From wreck of U. S. S. Maine.	8
.....	.....	Am. barge Lone Star.	.....	do.	do.	do.	.....	do.	.....
Newport, R. I.....	.....	.....	.....	.....	.....	.....	.....	No report.	.....
New York, N. Y.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Port Royal, S. C.....	.....	.....	.....	.....	.....	.....	.....	do.	.....
Providence, R. I.....	Apr. 16	.....	.....	.....	.....	.....	.....	No transactions.	.....
St. Helena Entrance, S. C.....	.....	.....	.....	.....	.....	.....	.....	No report.	.....
Savannah, Ga.....	.....	.....	.....	.....	.....	.....	.....	do.	.....

a Previously reported.

*Reports of States and yearly and monthly reports of cities.*

**CALIFORNIA—Los Angeles.**—Month of March, 1898. Estimated population, 103,000. Total deaths, 161, including phthisis pulmonalis, 31; enteric fever, 2; diphtheria, 4, and measles, 1.

**Oakland.**—Month of March, 1898. Estimated population, 75,000. Total deaths, 103, including phthisis pulmonalis, 19, and diphtheria, 2.

**San Diego.**—Month of March, 1898. Estimated population, 22,000. Total deaths, 18, including 3 from phthisis pulmonalis.

**CONNECTICUT.**—Month of March, 1898. Reports to the State board of health from 167 towns, having an aggregate population of 881,192, show a total of 1,272 deaths, including phthisis pulmonalis, 133; enteric fever, 7; scarlet fever, 2; diphtheria, 30; measles, 6, and whooping cough, 10.

**ILLINOIS—Chicago.**—Month of March, 1898. Estimated population, 1,750,000. Total deaths, 2,316, including phthisis pulmonalis, 262; enteric fever, 41; scarlet fever, 10; diphtheria, 43; measles, 7, and whooping cough, 25.

**LOUISIANA—Baton Rouge.**—Month of October, 1897. Estimated population, white, 5,000; colored, 7,000; total, 12,000. Deaths, white, 4; colored, 10; total, 14, including phthisis pulmonalis, 1, and enteric fever, 1.

Month of November, 1897. Deaths, white, 4; colored, 11; total, 15, including yellow fever, 1, and enteric fever, 1.

Month of December, 1897. Deaths, white, 8; colored, 14; total, 22, including 1 from enteric fever.

**New Orleans.**—Month of October, 1897. Estimated population, white, 195,000; colored, 80,000; total, 275,000. Deaths, white, 451; colored, 199; total, 650, including yellow fever, 158; enteric fever, 11; diphtheria, 3; phthisis pulmonalis, 58, and whooping cough, 1.

Month of November, 1897. Deaths, white, 409; colored, 171; total, 580, including yellow fever, 105; enteric fever, 19; phthisis pulmonalis, 70, and diphtheria, 1.

Month of December, 1897. Deaths, white, 347; colored, 219; total, 566, including yellow fever, 7; enteric fever, 9; and phthisis pulmonalis, 78.

**Shreveport.**—Month of October, 1897. Estimated population, white, 7,500; colored, 7,500; total, 15,000. Deaths, white, 10; colored, 26; total, 36, including phthisis pulmonalis, 5; enteric fever, 1, and diphtheria, 1.

Month of November, 1897. Deaths, white, 11; colored, 17; total, 28, including 4 from phthisis pulmonalis.

Month of December, 1897. Deaths, white, 8; colored, 31; total, 39, including phthisis pulmonalis, 6, and croup, 1.

**MICHIGAN.**—Month of March, 1898. Reports to the Secretary of State of the State of Michigan from 83 counties, having an aggregate

population of 2,155,421, show a total of 2,686 deaths, including phthisis pulmonalis, 233; enteric fever, 23; scarlet fever, 13; diphtheria, 29; measles, 18, and whooping cough, 13. Week ended April 9, 1898. Reports to the State board of health from 61 observers indicate that pneumonia increased and intermittent fever decreased in area of prevalence. Phthisis pulmonalis was reported present at 136, measles at 55, scarlet fever at 26, enteric fever at 23, diphtheria at 22, whooping cough at 8, and smallpox at 1 place (Ionia).

MINNESOTA—*Minneapolis*.—Month of March, 1898. Estimated population, 225,602. Total deaths, 219, including phthisis pulmonalis, 29; enteric fever, 8; diphtheria, 1; measles, 29, and whooping cough, 1.

MISSOURI—*Kansas City*.—Month of January, 1898. Estimated population, 200,000. Total deaths, 195, including phthisis pulmonalis, 28; enteric fever, 6; scarlet fever, 2, and diphtheria, 7.

NEW HAMPSHIRE—*Concord*.—Month of March, 1898. Estimated population, 18,000. Total deaths, 29, including 1 from phthisis pulmonalis.

NEW YORK—*Auburn*.—Month of March, 1898. Estimated population, 30,000. Total deaths, 36, including 7 from phthisis pulmonalis.

*Buffalo*.—Month of March, 1898. Estimated population, 360,000. Total deaths, 327, including phthisis pulmonalis, 36; enteric fever, 11; diphtheria, 7; scarlet fever, 3, and whooping cough, 1.

OHIO—*Cleveland*.—Month of March, 1898. Estimated population, 370,000. Total deaths, 491, including phthisis pulmonalis, 54; enteric fever, 3; scarlet fever, 1; measles, 6; diphtheria, 9, and whooping cough, 1.

*Columbus*.—Month of March, 1898. Estimated population, 135,000. Total deaths, 153, including phthisis pulmonalis, 32; enteric fever, 1; scarlet fever, 1; diphtheria, 1; measles, 4, and whooping cough, 1.

PENNSYLVANIA—*Williamsport*.—Month of March, 1898. Estimated population, 35,000. Total deaths, 26. No deaths from contagious diseases.

TENNESSEE—*Memphis*.—Month of March, 1898. Estimated population, white, 31,430; colored, 30,317; total, 61,747. Deaths, white, 55; colored, 71; total, 126, including phthisis pulmonalis, 18, and enteric fever, 1.

WASHINGTON—*Seattle*.—Month of March, 1898. Estimated population, 70,000. Total deaths, 78, including phthisis pulmonalis, 7; enteric fever, 2; diphtheria, 6; measles, 3, and whooping cough, 1.

## MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicelloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Altoona, Pa.	Apr. 9.	30,337	11	1									
Ashtabula, Ohio.	Apr. 16.	8,338	4							1			
Baltimore, Md.	do.	434,439	212	18						1		6	1
Bennington, Vt.	Apr. 9.	6,391	4										
Do.	Apr. 16.	6,391	3										
Binghamton, N. Y.	do.	35,005	14										
Boston, Mass.	do.	448,477	229	30					2			4	1
Bristol, R. I.	Apr. 9.	5,478	0										
Do.	Apr. 16.	5,478	3	2									
Brockton, Mass.	Apr. 9.	27,294	8							1			1
Butler, Pa.	Apr. 16.	8,734	1										
Cambridge, Mass.	do.	70,028	22							1		1	1
Charleston, S. C.	Apr. 2.	a 54,955	b 22	4									
Do.	Apr. 9.	a 54,955	c 24	7									
Cincinnati, Ohio.	Apr. 15.	296,905	123	14					2			3	5
Cleveland, Ohio.	Apr. 9.	261,353	92	6					1			2	
Do.	Apr. 16.	261,353	108	5									
Columbus, Ind.	do.	6,719	5	2									1
Columbus, Ohio.	Apr. 15.	88,150	35	4									5
Concord, N. H.	Apr. 16.	17,044	5										
Dayton, Ohio.	do.	61,220	37	6								1	
Dedham, Mass.	Apr. 9.	7,123	4	1									
Detroit, Mich.	Apr. 16.	205,876	85	10								1	
Dunkirk, N. Y.	Apr. 9.	9,416	3										
Erie, Pa.	Apr. 16.	40,634	11						1				
Everett, Mass.	Apr. 9.	11,068	4	1									
Fall River, Mass.	Apr. 16.	74,398	45	4					2				
Fitchburg, Mass.	Apr. 9.	22,037	10	1									
Flint, Mich.	do.	9,803	5	1									
Grand Rapids, Mich.	Apr. 16.	60,278	33	3					1				
Green Bay, Wis.	Apr. 2.	9,069	5										
Do.	Apr. 9.	9,069	4										
Haverhill, Mass.	Apr. 16.	27,412	1									1	1
Hoboken, N. J.	do.	43,648	27	2									
Ironton, Ohio.	do.	10,939	3										
Jacksonville, Fla.	do.	17,201	16	3									
Jersey City, N. J.	Apr. 10.	163,003	76	6					2			2	
Do.	Apr. 17.	163,003	60	6					1	1	1		1
Johnstown, Pa.	Apr. 16.	21,805	12										
Lancaster, Pa.	Apr. 9.	32,011	14										
Do.	Apr. 16.	32,011	17	1									
Lowell, Mass.	do.	77,696	27	2					1	1			1
Lynchburg, Va.	do.	19,709	5	1									
McKeesport, Pa.	Apr. 9.	20,741	14										
Manchester, N. H.	Apr. 16.	44,126	30	4									1
Massillon, Ohio.	do.	10,092	0										
Medford, Mass.	do.	11,079	2										
Melrose, Mass.	Apr. 9.	8,519	6	3									
Memphis, Tenn.	Apr. 16.	64,495	40									1	
Middletown, N. Y.	do.	11,977	6									1	
Middletown, Ohio.	Feb. 19.	7,681	1										
Do.	Feb. 26.	7,681	2	1									
Do.	Mar. 5.	7,681	1										
Do.	Mar. 12.	7,681	1										
Do.	Mar. 19.	7,681	5										2
Do.	Mar. 26.	7,681	2										
Do.	Apr. 2.	7,681	1										
Do.	Apr. 9.	7,681	3										2
Milwaukee, Wis.	do.	204,468	55	4								1	
Do.	Apr. 16.	204,468	59	7						1		1	
Minneapolis, Minn.	Apr. 9.	164,738	42	5					1				4
Mobile, Ala.	do.	31,076	6	1									
Nashville, Tenn.	Apr. 16.	76,168	3										
New Bedford, Mass.	do.	40,733	18	1									
Newburyport, Mass.	Apr. 9.	13,947	4										
New Orleans, La.	do.	242,039	120	23					1				
Newport, R. I.	Apr. 16.	19,457	7										
New York, N. Y.	do.	1,515,301	1,267	159							16	34	21
Norristown, Pa.	do.	19,791	7	2									
North Adams, Mass.	do.	16,074	9										
Omaha, Nebr.	Apr. 9.	140,452	19										
Oneonta, N. Y.	Apr. 16.	6,272	3										

a Estimated population, white, 28,870; colored, 36,295. Total, 65,165. b White, 3; colored, 19. c White, 7; colored, 17.



MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

[illegible]

Table of temperature and rainfall, week ended April 18, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.....	38	4		.67		.17
Portland, Me.....	43	5		.70		.20
Northfield, Vt.....	39	11		.49	.01	
Boston, Mass.....	44	4		.77	.33	
Vineyard Haven, Mass.....	47	1		.55		.25
Nantucket, Mass.....	42	2		.84		.54
Woods Hole, Mass.....	42	4		.94		.74
Block Island, R. I.....	43	3		.77		.07
New Haven, Conn.....	45	7		.81		.31
Albany, N. Y.....	46	8		.56	.04	
New York, N. Y.....	47	7		.77		.37
Harrisburg, Pa.....	50	7		.77	.03	
Philadelphia, Pa.....	47	9		.70		.30
New Brunswick, N. J.....	49	5		.74		.34
Atlantic City, N. J.....	46	6		.77		.37
Baltimore, Md.....	52	6		.79		.39
Washington, D. C.....	52	4		.74		.11
Lynchburg, Va.....	55	1		.77	.03	
Cape Henry, Va.....	55	1		1.05	1.05	
Norfolk, Va.....	55	1		.97		.07
Charlotte, N. C.....	59		1	.78		.58
Raleigh, N. C.....	58	0		.52		.32
Kittyhawk, N. C.....	56	0		1.04		.64
Hatteras, N. C.....	56	4		1.11		.01
Wilmington, N. C.....	61		1	.63		.43
Columbia, S. C.....	63		5	.57		.17
Charleston, S. C.....	64	0		.82		.62
Augusta, Ga.....	64		4	.77		.47
Savannah, Ga.....	65		1	.84		.64
Jacksonville, Fla.....	68	0		.63		.23
Jupiter, Fla.....	72		2	.49		.39
Key West, Fla.....	76		2	.28		.18
<b>Gulf States:</b>						
Atlanta, Ga.....	62		4	.84		.74
Tampa, Fla.....	71		3	.42		.42
Pensacola, Fla.....	68		2	.81		.51
Mobile, Ala.....	67		3	1.06		.96
Montgomery, Ala.....	65		3	1.12		1.12
Vicksburg, Miss.....	66		4	1.40		1.10
New Orleans, La.....	69		5	1.19		1.09
Shreveport, La.....	67		5	1.30		.70
Fort Smith, Ark.....	64		2	1.23		.43
Little Rock, Ark.....	64		2	1.12		1.02
Palestine, Tex.....	67		5	1.07	.03	
Galveston, Tex.....	70		4	.69	2.11	
San Antonio, Tex.....	70		2	.70	.70	
Corpus Christi, Tex.....	72			.35		
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	62	0		1.27		1.17
Nashville, Tenn.....	60		2	1.12		.62
Chattanooga, Tenn.....	62		4	1.06		.66
Knoxville, Tenn.....	58		4	1.19		.79
Louisville, Ky.....	56	2		1.06		.26
Indianapolis, Ind.....	53	3		.85		.25
Cincinnati, Ohio.....	55	1		.77		.37
Columbus, Ohio.....	52	4		.71		.01
Parkersburg, W. Va.....	53	3		.77		.37
Pittsburg, Pa.....	51	5		.63		.13
<b>Lake Region:</b>						
Oswego, N. Y.....	42	6		.43		.33
Rochester, N. Y.....	43	9		.56		.26
Buffalo, N. Y.....	42	10		.56		.46
Erie, Pa.....	44	6		.56		.46
Cleveland, Ohio.....	45	5		.49		.49
Sandusky, Ohio.....	46	10		.56		.56
Toledo, Ohio.....	47	9		.49		.49
Detroit, Mich.....	45	9		.49		.29
Lansing, Mich.....	46	6		.56		.36
Port Huron, Mich.....	42	6		.45		.25
Alpena, Mich.....	37	9		.46		.46
Sault Ste. Marie, Mich.....	38	8		.35		.35
Marquette, Mich.....	37	7		.49		.39
Green Bay, Wis.....	43	7		.49		.09
Grand Haven, Mich.....	44	6		.57		.57

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended April 18, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Lake Region—Continued.</b>						
Milwaukee, Wis.....	42	8	.....	.67	.....	.57
Chicago, Ill.....	46	2	.....	.70	.....	.70
Duluth, Minn.....	38	8	.....	.56	.....	.56
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	46	6	.....	.57	.....	.47
La Crosse, Wis.....	48	4	.....	.52	.38	.....
Dubuque, Iowa.....	49	5	.....	.63	1.47	.....
Davenport, Iowa.....	50	6	.....	.63	.67	.....
Des Moines, Iowa.....	51	5	.....	.65	.75	.....
Keokuk, Iowa.....	52	6	.....	.77	1.13	.....
Hannibal, Mo.....	54	4	.....	.56	.64	.....
Springfield, Ill.....	54	2	.....	.86	.....	.16
Cairo, Ill.....	59	1	.....	.91	.....	.71
St. Louis, Mo.....	56	4	.....	.87	.23	.....
<b>Missouri Valley:</b>						
Columbia, Mo.....	57	1	.....	1.07	.....	.07
Springfield, Mo.....	58	0	.....	.88	.....	.28
Kansas City, Mo.....	54	4	.....	.69	.01	.....
Topeka, Kans.....	58	0	.....	.52	.18	.....
Wichita, Kans.....	58	0	.....	.51	1.39	.....
Concordia, Kans.....	56	2	.....	.44	.66	.....
Lincoln, Nebr.....	51	5	.....	.57	1.03	.....
Omaha, Nebr.....	51	5	.....	.74	.66	.....
Sioux City, Iowa.....	50	6	.....	.77	.03	.....
Yankton, S. Dak.....	47	9	.....	.70	.10	.....
Valentine, Nebr.....	47	5	.....	.69	.21	.....
Huron, S. Dak.....	47	5	.....	.70	.....	.20
Pierre, S. Dak.....	48	6	.....	.49	.....	.09
Moorhead, Minn.....	42	6	.....	.36	.....	.56
Bismarck, N. Dak.....	43	5	.....	.53	.....	.53
Williston, N. Dak.....	42	2	.....	.53	.....	.13
<b>Rocky Mountain Region:</b>						
Havre, Mont.....	43	3	.....	.21	.69	.....
Helena, Mont.....	42	8	.....	.28	.....	.18
Miles City, Mont.....	47	5	.....	.24	.....	.14
Rapid City, S. Dak.....	45	5	.....	.53	.....	.43
Spokane, Wash.....	46	6	.....	.34	.....	.34
Wallawalla, Wash.....	52	4	.....	.35	.....	.35
Baker City, Oreg.....	43	.....	.....	.28	.....	.....
Winnemucca, Nev.....	45	7	.....	.21	.....	.21
Idaho Falls, Idaho.....	44	6	.....	.35	.....	.35
Salt Lake City, Utah.....	48	10	.....	.54	.....	.54
Lander, Wyo.....	42	8	.....	.54	.....	.34
Cheyenne, Wyo.....	40	6	.....	.30	.....	.30
North Platte, Nebr.....	48	6	.....	.54	.16	.....
Denver, Colo.....	46	6	.....	.46	.....	.16
Pueblo, Colo.....	50	4	.....	.34	.56	.....
Dodge City, Kans.....	54	4	.....	.35	.15	.....
Oklahoma, Okla.....	60	0	.....	.58	.....	.58
Amarillo, Tex.....	58	.....	.....	.20	.40	.....
Abilene, Tex.....	66	2	.....	.64	.16	.....
Santa Fe, N. Mex.....	45	3	.....	.14	.66	.....
El Paso, Tex.....	63	.....	1	.00	.40	.....
Phoenix, Ariz.....	67	5	.....	.07	.13	.....
<b>Pacific Coast:</b>						
Seattle, Wash.....	50	0	.....	.77	.....	.67
Tacoma, Wash.....	49	1	.....	.84	.....	.74
Fort Canby, Wash.....	46	4	.....	1.30	.....	1.20
Portland, Oreg.....	50	6	.....	.77	.....	.77
Roseburg, Oreg.....	49	5	.....	.63	.....	.63
Eureka, Cal.....	50	0	.....	.92	.....	.92
Redbluff, Cal.....	57	11	.....	.50	.....	.50
Carson City, Nev.....	49	3	.....	.21	.....	.21
Sacramento, Cal.....	57	9	.....	.56	.....	.56
San Francisco, Cal.....	54	6	.....	.49	.....	.49
Fresno, Cal.....	60	10	.....	.31	.....	.31
San Luis Obispo, Cal.....	57	5	.....	.49	.....	.49
Los Angeles, Cal.....	58	8	.....	.30	.....	.30
San Diego, Cal.....	58	2	.....	.19	.....	.19
Yuma, Ariz.....	70	6	.....	.00	.....	.00

a The figures in these columns represent the average daily departure.

## FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

*Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 22, 1898.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay .....	Nov. 24-Nov. 30.....		4	
	Dec. 1-Mar. 1.....		55	
	Mar. 2-Mar. 22.....		8	
Calcutta.....	Nov. 14-Dec. 4.....		42	
	Dec. 5-Jan. 1.....		31	
	Jan. 2-Jan. 29.....		28	
	Jan. 30-Feb. 26.....		82	
	Feb. 27-Mar. 12.....		43	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-Mar. 11.....		26	
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	

## YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 27.....	3	2	
	Dec. 29.....	6		
Ceara.....	Nov. 1-Nov. 30.....		1	Taken off of Nor. bk. Adonis.
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	
	Jan. 16-Feb. 28.....		30	
Ribeirao Bonito.....	Feb. 1-Feb. 28.....	79	19	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1		
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 29.....	22	17	
	Jan. 30-Mar. 18.....	183	225	
Sao Carlos de Pinhal.....	Feb. 28.....	46	11	Yellow fever reported.
Santos.....	Jan. 2-Jan. 8.....	1	1	
	Jan. 23-Jan. 29.....	3		
	Jan. 30-Feb. 28.....	21	3	
Sao Paulo.....	Feb. 1-Feb. 28.....	2	1	
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....		2	
	Jan. 3-Jan. 23.....		1	
Habana .....	Dec. 17-Dec. 30.....		6	
	Dec. 31-Jan. 27.....		9	
	Jan. 28-Feb. 17.....		3	
	Mar. 4-Mar. 31.....		4	
Manzanillo.....	Dec. 1-Dec. 31.....		28	
	Jan. 1-Jan. 31.....		9	
	Feb. 14-Feb. 28.....		3	
Matanzas.....	Dec. 15-Jan. 19.....		4	
	Feb. 9-Feb. 23.....		2	
Regla.....	Dec. 31-Feb. 28.....		7	
	Mar. 1-Mar. 24.....		2	
Sagua la Grande.....	Dec. 18-Jan. 20.....			A few cases of yellow fever, but impossible to obtain statistics.
Santiago de Cuba.....	Dec. 19-Jan. 29.....		6	
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	2	
	Feb. 5-Feb. 19.....	2	1	
St. Andrew.....	Dec. 19-Jan. 1.....	1		
	Feb. 27-Mar. 5.....	1	1	
St. Catherine.....	Dec. 19-Jan. 1.....	1		
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Jiddah.....	Mar. 25.....	.....	3	
China:				
Hongkong.....	Nov. 7-Nov. 20...	2	2	
	Dec. 18-Jan. 1...	12	2	
	Jan. 2-Jan. 29...	6	5	
	Jan. 30-Feb. 19...	18	14	
India:				
Bombay.....	Nov. 24-Nov. 30...	.....	70	
	Dec. 1-Feb. 8.....	.....	4,833	
	Feb. 9-Mar. 1.....	.....	3,436	
	Mar. 2-Mar. 22.....	.....	3,601	
Japan:				
Taiwan (Formosa).....	Dec. 28-Mar. 23...	113	.....	

## SMALLPOX.

Bohemia:				
Prague.....	Dec. 12-Jan. 1...	11	.....	
	Jan. 2-Mar. 26...	93	.....	
Brazil:				
Pernambuco.....	Dec. 1-Dec. 25...	.....	8	
Rio de Janeiro.....	Nov. 21-Dec. 4...	10	.....	
	Dec. 5-Jan. 1...	9	1	
	Jan. 1-Mar. 11...	1	1	
Sao Paulo.....	Feb. 1-Feb. 28...	24	4	
Sorocaba.....	Dec. 16-Jan. 30...	32	10	
Canada:				
Mallesonneuve.....	Jan. 26-Feb. 16...	3	.....	
Montreal.....	Jan. 3-Jan. 12...	3	0	
	Feb. 11-Feb. 16...	1	.....	
China:				
Hongkong.....	Nov. 7-Dec. 4...	6	4	
	Dec. 5-Jan. 1...	11	8	
	Jan. 2-Feb. 19...	131	80	
Cuba:				
Cardenas.....	Dec. 19-Jan. 22...	.....	5	
	Mar. 6-Mar. 27...	.....	8	
Cienfuegos.....	Dec. 20-Jan. 2...	.....	7	
	Jan. 3-Jan. 23...	.....	19	
	Feb. 7-Feb. 27...	.....	35	
	Feb. 28-Apr. 3...	.....	9	
Habana.....	Dec. 17-Apr. 7...	.....	154	
Matanzas.....	Jan. 20-Feb. 23...	.....	8	
Regla.....	Feb. 18-Apr. 7...	.....	3	
Sagua la Grande.....	Dec. 19-Jan. 29...	233	29	
	Jan. 30-Feb. 26...	470	35	
	Feb. 27-Apr. 4...	437	26	
England:				
Bristol.....	Feb. 6-Feb. 19...	1	.....	
Gibraltar.....	Mar. 13-Mar. 27...	3	.....	
Liverpool.....	Jan. 15-Jan. 29...	3	.....	
	Feb. 1-Apr. 2...	6	.....	
London.....	Feb. 27-Mar. 26...	4	.....	
Middlesborough.....	Feb. 9.....	90	.....	
Newcastle on Tyne.....	Mar. 19-Mar. 26...	1	.....	
Southampton.....	Jan. 8-Feb. 12...	2	.....	
Sunderland.....	Dec. 18-Jan. 8...	1	.....	
	Feb. 27-Mar. 26...	4	.....	
West Hartlepool.....	Jan. 9-Jan. 22...	5	.....	
Germany:				
Hamburg.....	Mar. 6-Mar. 12...	2	.....	
Gibraltar.....	Dec. 6-Dec. 12...	1	.....	
	Dec. 27-Jan. 30...	2	.....	
India:				
Bombay.....	Feb. 9-Mar. 22...	.....	9	
Calcutta.....	Dec. 19-Dec. 25...	.....	1	
	Jan. 30-Mar. 12...	.....	16	
Madras.....	Nov. 27-Dec. 3...	.....	1	
	Dec. 4-Dec. 31...	.....	3	
	Jan. 1-Jan. 23...	.....	6	
	Jan. 29-Feb. 4...	.....	6	
	Feb. 5-Mar. 11...	.....	29	
Italy:				
Meassina.....	Dec. 12-Jan. 8...	.....	5	
	Jan. 30-Feb. 26...	.....	2	



*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Aichi Ken.....	Dec. 28-Mar. 23...	4	.....	
Akita Ken.....	Dec. 28-Mar. 23...	14	4	
Awomori Ken.....	Dec. 28-Mar. 23...	30	3	
Chiba Ken.....	Dec. 28-Feb. 3...	6	.....	
Formosa.....	Feb. 4-Mar. 3...	7	4	
Fukui Ken.....	Dec. 28-Feb. 3...	1	.....	
Fukushima Ken.....	Dec. 28-Mar. 23...	81	22	
Gifu Ken.....	Feb. 4-Feb. 22...	1	.....	
Gumma Ken.....	Feb. 4-Feb. 22...	1	.....	
Hiroshima Ken.....	Jan. 22-Feb. 3...	1	.....	
Iwate Ken.....	Dec. 28-Mar. 23...	39	4	
Kagoshima Ken.....	Feb. 4-Feb. 22...	1	.....	
Kanagawa Ken.....	Dec. 28-Jan. 21...	3	.....	
Kochi Ken.....	Dec. 28-Jan. 21...	1	.....	
Miyagi Ken.....	Dec. 17-Dec. 27...	2	3	
Miyazaki Ken.....	Dec. 28-Mar. 23...	57	15	
Nagano Ken.....	Jan. 22-Feb. 3...	3	1	
Nagasaki Ken.....	Feb. 4-Mar. 23...	9	5	
Niigata Ken.....	Jan. 22-Mar. 23...	4	1	
Okayama Ken.....	Mar. 4-Mar. 23...	4	1	
Osaka Fu.....	Feb. 4-Feb. 22...	2	.....	
Oyama Ken.....	Dec. 28-Feb. 22...	2	.....	
Saitama Ken.....	Mar. 4-Mar. 23...	1	1	
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....	
Tokyo Fu.....	Dec. 28-Mar. 23...	6	.....	
Yamagata Ken.....	Jan. 22-Mar. 23...	29	8	
Yamaguchi Ken.....	Feb. 4-Feb. 22...	9	.....	
Yehime Ken.....	Dec. 17-Mar. 23...	52	12	
The Hokkaido.....	Dec. 17-Dec. 27...	70	25	
	Dec. 28-Mar. 23...	353	96	
Norway:				
Christiania.....	Mar. 20-Mar. 26...	4	.....	
Netherlands:				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....	
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....	
Russia:				
Moscow.....	Nov. 24-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-Mar. 26...	14	6	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 1...	34	7	
	Jan. 30-Mar. 26...	46	8	
St. Petersburg.....	Dec. 4-Dec. 25...	25	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-Mar. 19...	.....	52	
	Dec. 19-Mar. 26...	.....	71	
Warsaw.....				
Scotland:				
Glasgow.....	Dec. 5-Dec. 25...	3	1	
Spain:				
Corunna.....	Jan. 1-Feb. 5...	.....	2	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
	Feb. 8-Feb. 23...	.....	2	
Turkey:				
Constantinople.....	Jan. 10-Feb. 6...	.....	53	
	Feb. 28-Mar. 13...	.....	18	
Uruguay:				
Montevideo.....	Dec. 25-Jan. 1...	1	.....	
Venezuela:				
Puerto Cabello and Valencia.....	Apr. 2-Apr. 9...	20	.....	
Wales:				
Cardiff.....	Dec. 18-Dec. 24...	1	.....	

## BRAZIL.

*Sanitary report from Rio de Janeiro.*

CONSULATE-GENERAL OF THE UNITED STATES OF AMERICA,

*Rio de Janeiro, March 23, 1898.*

SIR: I am very sorry that I can't send you to-day the usual weekly report. The employees of the head hospital, Santa Casa de Misericordia,

have made a kind of strike, and therefore the lists of cases and deaths are not ready. I shall send the report as soon as possible. But I can communicate you the following: During the last week, ending March 18, the total number of deaths was 411, a decrease of 21 of the foregoing week. There were 62 deaths from yellow fever, an increase of 18; 15 deaths of *accessio pernicioso*, a decrease of 14; 9 deaths of beriberi, the same as before.

*State of Sao Paulo*:—I can give you the following statistics about the state and the city of Sao Paulo: There occurred during the month of February: Yellow fever in Santos, 21 cases, with 3 deaths; in Sao Paulo, 2 cases, with 1 death; in S. Carlos de Pinhal, 46 cases, with 11 deaths; in Ribeirao Bonito, 79 cases, with 19 deaths.

In the city of Sao Paulo were 24 cases of smallpox, with 4 deaths; 19 cases of typhoid fever, with 2 deaths; 1 case of scarlet fever, which was cured, and 2 cases of diphtheria, with 1 death.

In Sorocaba occurred during the time from December 16 to January 30, 32 cases of smallpox with 10 deaths.

Since last report the following-named ships have been inspected and received bills of health from this office: March 17, bark *Majory Glen*, British, for Savannah. March 19, ship *Fritz Gustav*, Russian, for Mobile. March 19, bark *Edmund Phinney*, American, for Philadelphia; steamship *Galileo*, Belgian, for New York.

Respectfully, yours,

W. HAVELBURG, M. D.,

*Acting Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

CUBA.

*Sanitary report from Habana.*

HABANA, April 8, 1898.

SIR: In transmitting the report of the work of this office for this week I would state that the personnel of the Service is exhausted by overwork.

Until Tuesday, April 5, when the quarantine regulations were modified by instructions from the Bureau, a panic-stricken crowd daily besieged this office for vaccination and acclimation certificates. In the absence of police protection physical force was necessary to preserve reasonable order. At one time the frantic crowd smashed in the doors, and considerable force was used to restore order.

I have observed the greatest care in all other sanitary matters, and those persons going without vaccination and acclimation certificates have been inspected at gangways of vessels and given observation certificates. I shall continue to perform sanitary work in its every detail until recalled.

Very respectfully,

W. F. BRUNNER,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

## [Inclosure No. 1.]

*Number of persons applying for passenger certificates.*

	Granted.	Refused.
Florida:		
Key West.....	49	
Tampa.....	159	
New York:		
Ward Line.....	101	
New Orleans (Morgan Line):		
New Orleans.....	37	
Total.....	346	

Of the 101 passengers that left for New York on board the Ward Line steamer only 49 had certificates. Of the 208 passengers who left for Tampa and Key West on the *Mascotte* 54 had certificates, 83 had vaccination slips from this office, and 62 were observed on board. Of the 37 passengers who left for New Orleans on the steamship *Whitney* only 1 had certificate. Twenty-eight passengers left on U. S. S. *Mangrove*, 1 with certificate, 13 with vaccination certificates, and 14 observed on board.

## [Inclosure No. 2.]

*Mortality of the city of Habana and town of Regla for the week ended Thursday, April 7, 1898.*

Cause of death.	Habana.	Regla.	Total.
Enteric fever.....	10		10
Pernicious fever.....	4		4
Malarial fever.....	7	2	9
Smallpox.....	4		4
Caquexia paludica.....	4	2	6
Enteritis.....	34	12	46
Dysentery.....	19	11	30
Diarrhea.....	5	2	7
Meningitis.....	6		6
Pneumonia.....	13		13
Tuberculosis.....	39	3	42
Deaths from all causes.....	308	37	345
Deaths in military hospitals.....	46	26	72
Annual ratio per 1,000.....			89.70

*Sanitary report from Santiago.*

CONSULATE OF THE UNITED STATES OF AMERICA,  
*Santiago de Cuba, April 2, 1898.*

SIR: I have the honor to inform you that there were 56 deaths for the week ended April 2, being 9 less than last week. Of these 5 were from dysentery, 4 from tuberculosis, 7 from enteritis, 3 from remittent, and 2 from pernicious fevers, 12 from paludic cachexia; the rest from noncontagious or noninfectious diseases.

Several cases of varicella have made their appearance, and I am afraid smallpox will again visit us, especially as it is now prevalent in several towns in the island.

I have vaccinated over 500 people and the virus has acted in every instance. I will vaccinate as long as the vaccine holds out and I hope

to be able to prevent the disease from doing much harm if it should break out.

Respectfully,

H. S. CAMINERO, M. D.,  
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,  
U. S. Marine-Hospital Service.

JAPAN.

*Sanitary report from Yokohama.*

YOKOHAMA, JAPAN, March 24, 1898.

SIR: I have the honor to forward herewith my regular report of infectious disease in Japan for period March 4 to March 23, inclusive.

Some 5 or 6 cases of so-called cholera have been unofficially reported in Tokyo during the past ten days, but there appears to be no connection between the individual seizures, the mortality is trifling, and the sanitary bureau of the Government refuses to recognize them as genuine,

Quarantine against Hongkong, on account of plague was formally declared on the 18th instant, having practically been enforced a few days earlier.

I am, sir, very respectfully your obedient servant,

STUART ELDRIDGE, M. D.,  
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,  
U. S. Marine-Hospital Service.

[Inclosure.]

*Report of infectious disease in Japan from March 4 to March 23, 1898.*

Locality.	Plague.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			1			
Osaka Fu.....			3	1		
Tokyo Fu.....			2		1	
Aichi Ken.....			7	1	1	
Akita Ken.....					2	
Awamori Ken.....					7	
Chiba Ken.....						
Fukui Ken.....						
Fukuoka Ken.....						
Fukushima Ken.....					15	8
Gifu Ken.....			4	1		
Gumma Ken.....			1			
Hiogo Ken.....			4	1		
Hiroshima Ken.....			1	2		
Ibaraki Ken.....			2			
Ishikawa Ken.....			1			
Iwate Ken.....					15	1
Kagawa Ken.....						
Kagoshima Ken.....						
Kanagawa Ken.....			2			
Kochi Ken.....						
Kumamoto Ken.....						
Miyagi Ken.....			1		24	7
Miyazaki Ken.....						
Miye Ken.....						
Nagano Ken.....					1	1
Nagasaki Ken.....			1	1	1	
Nara Ken.....						
Niigata Ken.....			4		4	1
Oita Ken.....			1			
Okayama Ken.....			1		1	1
Okinawa Ken.....						
Saga Ken.....						
Saitama Ken.....						
Shidzuoka Ken.....			6	3		

*Report of infectious disease in Japan from March 4 to March 23, 1898—Continued.*

Locality.	Plague.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Shiga Ken.....						
Shimane Ken.....						
Tochigi Ken.....						
Tokushima Ken.....						
Tottori Ken.....						
Toyama Ken.....						
Wakayama Ken.....			1			
Yamagata Ken.....					4	2
Yamaguchi Ken.....						
Yamanashi Ken.....			1	1		
Yehime Ken.....			2		9	5
The Hokkaido.....					77	17
Taiwan (Formosa).....	36	(a)				
Total.....	36		46	11	162	43

a No report.

## TURKEY.

*Sanitary report from Constantinople.*

DEPARTMENT OF STATE,  
Washington, D. C., April 12, 1898.

SIR: Referring to my letter of the 26th ultimo, I have the honor, by direction of the Secretary of State, to inclose herewith for your information a copy of dispatch No. 100, of the 26th ultimo, from our minister at Constantinople, giving additional information respecting the bubonic plague at Jiddah.

Yours, respectfully,

WILLIAM R. DAY,  
Assistant Secretary.

HON. SECRETARY OF THE TREASURY.

[Inclosure No. 1—Dispatch No. 100.]

LEGATION OF THE UNITED STATES,  
Constantinople, March 26, 1898.

SIR: Last evening I sent you the following telegram: "SHERMAN, Washington, D. C.: Three pilgrims died bubonic plague. Jeddah.—ANGELL."

So much solicitude has been felt even in our own country about the approach of the plague from India to Europe, and so great pains have been taken to prevent its reaching Turkey by the Red Sea or the Russian Caucasus by overland travel, that I trust you will think I was justified in sending you the telegram.

I inclose the report of our sanitary commissioner which gives the above news, and also further details of the situation.

I have the honor to be, sir, your obedient servant,

JAMES B. ANGELL.

HON. SECRETARY OF STATE.

[Inclosure No. 2—Report No. 188.]

CONSTANTINOPLE, March 26, 1898.

I have the honor to report to your excellency that an extraordinary meeting of the International Sanitary Commission has been held to-day. The reason of said extraordinary meeting was the communication of the outbreak of bubonic plague in Jeddah. Yesterday an official dispatch was sent from the latter town announcing that 2 cases of bubonic plague have been observed. A second telegraphic news has arrived to-day announcing that 3 deaths from the same disease have occurred among the pilgrims from Adramut. The *Zubeida* is the first steamship which has arrived at Jeddah, carrying 800 Indian pilgrims. The British consul has not allowed them to land, on account of the existence of the plague cases and deaths. I notice that, in order to show that the above-mentioned outbreak has not occurred among Indians, namely among Indian pilgrims who have already undergone their quarantine at Camaran.



They have to land now at Yambo, or, rather, at Lith, wherefrom they will reach the holy city of Mecca within five days. Stringent orders have been given to take the necessary steps in order to check the spread of the evil. Said steps are: The communications between Jeddah and Mecca are interrupted by land; pilgrims going to Hedjaz have to land at Lith; the inhabitants of Jeddah have to undergo ten days' quarantine at Abou Saad if they are going to Mecca, otherwise they have to undergo such quarantine at other lazarettos; the supplying of food to Mecca from Jeddah has to be made through Abou Saad; a medical mission, under the direction of the inspector-general, Dr. Cozzonis, will go to Jeddah; a sanitary physician will go to Lith, and another to Yambo.

I have the honor to forward at this moment the present report. Perhaps your excellency may deem it necessary to notify this interesting and at the same time sad news to the Department by wire.

Very obedient,

SPIRIDION C. ZAVITZIANO,  
United States Sanitary Commissioner.

#### VENEZUELA.

##### *Smallpox at Puerto Cabello.*

CONSULATE OF THE UNITED STATES,  
*Puerto Cabello, March 30, 1898.*

SIR: I beg to report an outbreak of a mild form of smallpox within the past week. I have not deemed it of a character contemplated by paragraph 379, Consular Regulations of 1896. Should it assume a more serious phase I will cable the Department.

Twelve cases are now under treatment, and the authorities are doing all in their power to prevent its spreading.

Quarantine has been declared against this port by the authorities at other places, and we do not contemplate the entrance of ships, under the most favorable circumstances, for several weeks. Our mail will be sent via Valencia, Caracas and La Guayra to connect with the American Red D Line at the latter place.

I am, sir, your obedient servant,

SAML. PROSKAUER,  
United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

##### *Smallpox at Valencia and Puerto Cabello.*

DEPARTMENT OF STATE,  
*Washington, D. C., April 15, 1898.*

SIR: I have, by direction of the Secretary of State, the honor to quote the following telegram of the 9th instant from our minister to Venezuela:

"Twenty cases varioloid Valencia and Puerto Cabello; latter quarantined, but goods and passengers from both places being sent by rail to La Guayra for transportation to New York."

Respectfully, yours,

WILLIAM R. DAY,  
Assistant Secretary.

Hon. SECRETARY OF THE TREASURY.

#### STATISTICAL REPORTS.

AUSTRALIA—*Melbourne and suburbs.*—Month of December, 1897. Estimated population, 451,110. Total deaths, 919, including phthisis pulmonalis, 62; enteric fever, 14; scarlet fever, 1; diphtheria, 11, and measles, 6.

*Sydney*.—Month of January, 1898. Estimated population, 410,300. Total deaths, 516, including enteric fever, 10; scarlet fever, 3; and diphtheria, 2.

*BRAZIL—Ceara*.—Three months ended February, 1898. Estimated population, 50,000. Total deaths, 309, including 4 from yellow fever.

*CANADA—Hamilton*.—Month of March, 1898. Estimated population, 35,961. Total deaths, 81, including enteric fever, 1, and scarlet fever, 2.

*GREAT BRITAIN—England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended April 2 correspond to an annual rate of 21.5 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Liverpool, viz, 30.7, and the lowest in West Ham, viz, 14.7.

*London*.—One thousand eight hundred and eighty-three deaths were registered during the week, including measles, 115; scarlet fever, 22; diphtheria, 45; whooping cough, 63; enteric fever, 7; typhus fever, 1, and diarrhea and dysentery, 9. The deaths from all causes correspond to an annual rate of 21.8 a thousand. In greater London 2,448 deaths were registered, corresponding to an annual rate of 19.9 a thousand of the population. In the "outer ring" the deaths included 33 from measles, 1 from scarlet fever, 15 from diphtheria, and 14 from whooping cough.

*Ireland*.—The average annual death rate represented by the deaths registered during the week ended April 2 in the 23 principal town districts of Ireland was 31.7 a thousand of the population. The lowest rate was recorded in Sligo, viz, 15.2, and the highest in Clonmel, viz, 58.4 a thousand. In Dublin and suburbs 235 deaths were registered, including enteric fever, 3; scarlet fever, 3; whooping cough, 5, and diphtheria, 4.

*Scotland*.—The deaths registered in 8 principal towns during the week ended April 2 correspond to an annual rate of 24.2 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Greenock, viz, 15.3, and the highest in Perth, viz, 30.6 a thousand. The aggregate number of deaths registered from all causes was 729, including measles, 23; scarlet fever, 12; diphtheria, 4, and whooping cough, 21.

*GUIANA—Paramaribo*.—Month of February, 1898. Estimated population, 30,535. Total deaths, 89; no deaths from contagious diseases.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Acapulco.....	Apr. 2....	5,000	6								
Aix la Chapelle.....	Mar. 26....	127,486	46							2	1
Amapala.....	Mar. 5....	1,500	2								
Do.....	Mar. 12....	1,500	2								
Do.....	Mar. 19....	1,500	1								
Amsterdam.....	Apr. 2....	505,326	195				1	1		1	1
Belize.....	Apr. 7....	13,000	8								
Berlin.....	Mar. 19....	1,728,201	566					2	5	12	7
Birmingham.....	Apr. 2....	505,772	208					4	4	4	3
Bluefields.....	do.....	3,000	1								
Bombay.....	Mar. 15....	550,000	a 2,137			5					10
Do.....	Mar. 22....	550,000	b 2,268	1		1		1			14
Bradford.....	Apr. 2....	231,260	102							3	3
Bristol.....	do.....	316,900	137							20	2
Brussels.....	Mar. 26....	531,024	159							1	2
Calcutta.....	Mar. 5....	681,560	416	25		1					
Do.....	Mar. 12....	681,560	513	18		2					3
Callao.....	Mar. 13....	20,000	21								
Catania.....	Mar. 31....	120,000	50				1	1			
Chemnitz.....	Mar. 26....	163,000	76							1	
Christiania.....	do.....	200,000	70							1	3
Cienfuegos.....	Apr. 8....	28,024	67			3					
Coaticook.....	Apr. 9....	2,500	0								
Cologne.....	Mar. 26....	342,773	139					2		5	1
Colombo.....	Mar. 12....	130,000	104					2			2
Colon.....	Apr. 4....	8,000	8								
Copenhagen.....	Mar. 19....	351,000	118						1	3	1
Do.....	Mar. 26....	351,000	110								2
Crefeld.....	Apr. 2....	110,000	16						1	2	2
Dusseldorf.....	Mar. 26....	191,608	67						1	1	
Edinburgh.....	Apr. 2....	295,628	130							1	3
Flushing.....	do.....	17,193	5								
Frankfort on the Main.....	do.....	244,000	77					1	1	1	
Funchal.....	Mar. 27....	35,665	14								
Girgenti.....	Mar. 26....	24,428	9								
Glasgow.....	do.....	724,349	319					3	2	1	21
Do.....	Apr. 2....	724,349	363					4	8	2	20
Gothenburg.....	Mar. 26....	119,751	30								
Halifax.....	Apr. 9....	38,700	16							1	
Kingston, Canada.....	Apr. 15....	18,800	13								
Leipzig.....	Mar. 26....	422,071						1	1	4	3
Do.....	Apr. 2....	422,071	168							3	4
Licata.....	Mar. 26....	20,000	9				1	1			
Liege.....	do.....	166,110	58								3
Do.....	Apr. 2....	166,110	52					1			
Liverpool.....	do.....	647,489	382					6	4	1	5
Livingston.....	Mar. 26....	2,000	0								
Do.....	Apr. 2....	2,000	2								
London, England.....	do.....	6,408,321	2,448					14	23	60	148
Madras.....	Mar. 11....	452,518	336			7					39
Manchester.....	Apr. 2....	541,296	239					2	3		3
Mannheim.....	Mar. 26....	107,468	31						1		
Mayence.....	Apr. 2....	76,984	38								1
Monte Cristo.....	do.....	1,200	0								
Moscow.....	Mar. 19....	1,000,000	536		2				6	19	7
Do.....	Mar. 26....	1,000,000	557		1	3	2	7	10	6	6
Nagasaki.....	Mar. 18....	72,000				1				1	
Naples.....	Apr. 2....	570,000	182				8				
Newcastle-on-Tyne.....	do.....	223,000	74				1	1			8
Nuremberg.....	Mar. 19....	187,268	73					1	1		
Odessa.....	Mar. 26....	383,000	169			1	1	5	1	2	2
Palermo.....	do.....	273,000	134								
Paris.....	do.....	2,511,955	1,025					3	3	3	22
Plymouth.....	Apr. 2....	99,136	43					1			
Prague.....	Mar. 26....	195,919	126					1	4	1	2
Puerto Cortez.....	Apr. 6....	2,000	1								
Rheims.....	Mar. 19....	108,943	64								
Do.....	Mar. 26....	108,943	53								2
Rotterdam.....	Apr. 2....	299,343	156					1		2	3
St. John, Antigua.....	Mar. 26....	16,679	14								
Do.....	Apr. 2....	16,679	9								
St. Georges, Bermuda.....	Apr. 9....	2,150	0								

a One thousand and fifty-nine deaths from plague.

b One thousand two hundred and fifty-nine deaths from plague.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
St. Stephen.....	.....do.....	3,000	0								
Schiedam.....	Apr. 2....	26,884	9								
Sheffield.....	.....do.....	358,326	132						1	4	10
South Shields.....	.....do.....	98,922	44					1	1		
Stettin.....	.....do.....	150,000	47					1		1	
Stockholm.....	Mar. 26....	273,000	103					3	2	2	
Stuttgart.....	Mar. 31....	162,934	57								
Sunderland.....	Apr. 2....	143,849	55						1	1	3
Tegucigalpa.....	Mar. 20....	12,000	8								
Do.....	Mar. 26....	12,000	8								
Trapani.....	.....do.....	45,095	16								
Trieste.....	.....do.....	165,000	109						3	5	
Venice.....	Mar. 19....	167,074	76					1		3	
Do.....	Mar. 26....	167,074	62					1		1	
Vera Cruz.....	Mar. 7....	30,000	25								
Warsaw.....	Mar. 26....	601,408	181			10	1	1	7	2	2
Zurich.....	.....do.....	158,968	59			3			1		

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
Supervising Surgeon-General U. S. Marine-Hospital Service.